

ABSTRACT OF THE DISCLOSURE

Substrates have a hydrophobic surface coating comprised of the reaction products of methyltrichlorosilane (MTCS) and
5 dimethyldichlorosilane (DMDCS). Most preferably the substrate is glass. An anchor layer is most preferably formed directly onto the glass substrate surface by means of the application of a humidified reaction product of silicon tetrachloride, followed by the vapor-deposition of MTCS as a cross-linking layer. The hydrophobic layer of MTCS and DMDCS
10 may then be applied over the cross-linking layer of MTCS. A capping layer formed of trimethylchlorosilane (TMCS) may then be vapor deposited onto the hydrophobic layer.